

**Covenant School of Nursing  
Instructional Module 3  
Learning Guide  
Topic: Cellular Regulation**

**Learning Goals/Outcomes**

Upon completion of this lesson, you will be able to:

- Describe the etiology and pathophysiology of cancer
- Know alterations in cellular regulation that lead to defects in replication and differentiation of the cell
- Identify consequences of abnormal cellular regulation in benign and malignant neoplasms
- Implement nursing care specific to symptom management that promotes positive patient outcomes
- Have knowledge of the risk factors, signs and symptoms for treatment complications and oncologic emergencies
- Various types of treatment for the oncology patient

**Pre-Class Preparation**

Required: READING---Breast cancer, Lung Cancer, Skin Cancer, Colon Cancer

Additional Resources:

- HESI
- PowerPoints presented during class

**Learning Activities**

Classroom Activities: Discussion participation, Case Studies, Games

Laboratory/Clinical: Provide patient centered care in the clinical setting

Online/Out-of-Class: Case Studies

- HESI case studies-listed in HESI calendar
- Read lab reports related to oncology patient-in clinical setting-

**Evaluation Methods**

- Exam

<i>Time Allotments:</i>		
<b>Classroom</b>	<b>Laboratory</b>	<b>Out-of-Class Work</b>
6	0	3
<b>Texas DECs</b>		<b>QSEN Competencies</b>
II. A. 1. a ;2a, b,II.B.2,4,5,6,7,8,11,12; II.C,3,4b. 5, 6,7,8 ;II.D. 1a,1b,1c,3b,4c,5a; IIE, 1a,1b,2,4a,4b,5b,6b, 12,13; II.F,2; IIG,2a,2b,3b,IV.C,1,3,5,8; I.A.1,2,3a,3b,B2a,2b,3a,3c,4a,4b,5a,5c,6a,6b,6c,II.A,1,2a,2b,3,4, II.B,1,2,3a,4,5,6,7,8,9,II.C, 1,2,3a,4,5,6,7; II.D,1,2a,2c,2d,3a,3b,3c; IIE, 1,2a,2b,2c,3b,4,5a,6a,6c,6d,9,10,11,12b;II.F, 1a,1b,1c,2a,2b,5a,5b;II.G. 1,2a,2b,3,4,5a,5b,6,7,;II.H.6; III.A.,2,3,4,5a; III.B1,2,3a,3b,3c,4,5,8,9;III.C.2a,2b; III.D.1,2,3;III.E.1,3; III.F.1;IV.A1,IV.B.1a,2; IV.C.1a,2b; IV.D.1b,3b; IV.E.1b,1c,2b,2c,4		PCC,EBP,SAFETY
<b>IM Student Learning Outcomes</b>		<b>NCLEX Test Plan</b>
3:1,3:2,3:3,3:7,3:8		HP&M(health promotion and maintained), PI (psychosocial integrity), P&PT(pharmacological and parental therapies),RRP(reduction of risk potential), PA(physiological adaptation),
<b>Concepts</b>		<b>Faculty</b>
CELLULAR REGULATION		Kelli Duriex, MSN,RN
<b>Date originated:</b> 11/23/2015		<b>Revision Dates:</b> 09/26/2017, 05/2018,07/2019,07/2021, 07/2022

*Instructional Module (3) Learning Guide*

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